

Mars-G5Series

High Efficiency Half-Cell Mono PERC Module

585-605W



PRODUCTS FEATURES



Half-cut cell technology
New circuit design, lower internal current,
lower Rs loss



Lower the risk of hot spot
Special design with lower hot spot temperature

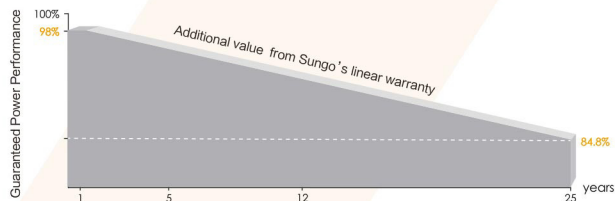


100% triple EL test enabling remarkable
reduction of hidden crack rate of modules



Lower LCOE
Higher power generation, Lower LCOE

LINEAR PERFORMANCE WARRANTY



15 YEARS Product quality & process guarantee

25 YEARS Linear power guarantee

0.55% Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES



ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety
Management System

ELECTRIC CHARACTERISTICS

| Type | SG-MH60H-585 | SG-MH60H-590 | SG-MH60H-595 | SG-MH60H-600 | SG-MH60H-605 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|
| Maximum Power (Pmax/W) | 585 | 590 | 595 | 600 | 605 |
| Open Circuit Voltage (Voc/V) | 40.9 | 40.1 | 41.3 | 41.5 | 41.7 |
| Short Circuit Current (Isc/A) | 18.37 | 18.42 | 18.47 | 18.52 | 18.57 |
| Voltage at Maximum Power (Vmpp/V) | 33.8 | 34 | 34.2 | 34.4 | 34.6 |
| Current at Maximum Power (Impp/A) | 17.31 | 17.35 | 17.39 | 17.43 | 17.47 |
| Module Efficiency ($\eta\%$) | 20.7 | 20.9 | 21 | 21.2 | 21.4 |

MECHANICAL CHARACTERISTICS

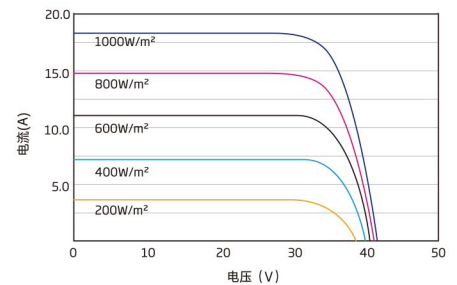
| | |
|--------------------|---|
| Cell type | PERC Monocrystalline 210×105 mm |
| Number of cells | 120cells |
| Dimensions | 2172×1303×35mm |
| Weight | 30.9kg |
| Cables | 4.0 mm ² , wire length: 300mm |
| Junction Box | IP68 |
| Mechanical Loading | 5400 Pa |
| Glass | Tempered, 3.2 mm AR, High transmittance, Low iron |
| Frame | Anodized aluminum alloy |
| Connectors | MC4 Compatibility |
| Packing | 31pcs/Pallet |

Temperature Ratings

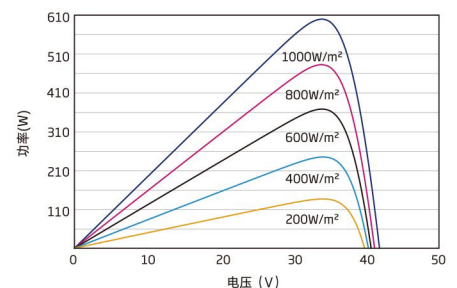
| | |
|--|------------|
| Temperature Coefficient of Pmax | -0.35%/°C |
| Temperature Coefficient of Voc | -0.27%/°C |
| Temperature Coefficient of Isc | +0.048%/°C |
| Working Temperature | -40°C~85°C |
| Normal Module Operating Temperature (NMOT) | 45±2°C |

I-V Curve

组件的I-V曲线 (605W)



组件的P-V曲线 (605W)



Design(mm)

